

## ABSTRACT

Compositions of the present invention comprise chlorinated heterocyclic compounds, including racemic monochloroflosequinan, purified enantiomers of monochloroflosequinan and the sulfone derivative of monochloroflosequinan. The methods of the present invention comprise the synthesis of racemic monochloroflosequinan and derivatives thereof, including the sulfone derivative. Intermediates in the synthesis are also provided. The methods further comprise the synthesis of enantiomers of monochloroflosequinan.

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